

Applied Science BTEC

Bridging the Gap Year 11 – Year 12

This course has three aspects: Biology, Chemistry and Physics. For each section read the attached information. Look up anything you don't understand, then complete the task.

Biology:

Read the attached notes and produce an annotated diagram showing all of the organelles inside a cell and their functions.

[Biology notes](#)

[Biology flash cards](#)

Chemistry:

Interesting articles can be found in this publication: Chemistry World – The Royal Society of Chemistry. Subscription is free <https://www.chemistryworld.com/>

This is a class link to Seneca. The assignments that have been set will be covered in the first year for Applied Science and bridge the gap between GCSE and Post –16.
<https://app.senecalearning.com/dashboard/join-class/g8pt66sm8>

Physics:

Simple revision of waves

<https://www.mathsisfun.com/physics/waves-radio-microwave.html>

Digital and Analogue

<https://revisionworld.com/gcse-revision/physics/electromagnetic-radiation/wave-communication>

Frequency, amplitude

<http://physicsnet.co.uk/gcse-physics/communication/>

Brief history of radio waves

<https://scienceaid.net/physics/waves/radio.html>

TASK: Make an A3 sized summary poster to cover

1. what types of waves are used in communication
2. the meaning of frequency and amplitude
3. the difference between digital and analogue

Look forward to meeting you all next year!

Miss Govier, Mrs Shillingford and Mr Pearce
(Teachers of BTEC Applied Science)

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